

## PRESS RELEASE

### More than lighting: Rutronik shows innovative approaches with UV LEDs

**Ispringen, July 14, 2020** – For industry, medicine and public infrastructure: The use of UV LEDs offers new approaches in the fields of sterilization, deep cleaning of air and water, agriculture and industrial manufacturing. The ultraviolet A-rays are suitable for use in vertical farming, for example, while the extremely high-energy UVC rays are successfully used against harmful micro-bacteria and viruses. The entire Rutronik portfolio of LED technologies is available at [www.rutronik24.com](http://www.rutronik24.com).

#### Effective against multi-resistant pathogens

Bacteria, viruses, spores and germs absorb 265 - 280 nm light emitted by UVC LEDs. As a result, their DNA/RNA bonds are broken so that reproduction is no longer possible. Especially when used against multi-resistant microorganisms, UVC LEDs are the optimal solution. This also applies to situations that require comprehensive surface or water disinfection - without the use of chemicals or thermal disinfection - as in drinking water treatment.

#### For better air and solid connections

A photo catalysis (= chemical reaction triggered by light), which is stimulated by UVA energy with 365~385 nm, is used to decompose bacteria, viruses, harmful gases or odours, for example in air purification.

UV curing, quite well known by nail studios, is a process in which ultraviolet light initiates a photochemical reaction that produces a stable polymer network. It is mainly used when rapid curing is required, for example in printing processes, coating, decoration, stereo lithography or the assembly of components.

The well-known advantages of LED technologies such as long service life, consistent quality, no environmentally harmful heavy metals, low power consumption and voltage and RoHS conformity are of course also available for UV LEDs.

#### About Rutronik

Rutronik Elektronische Bauelemente GmbH is one of the leading distributors in Europe. With over 80 local offices around the globe, the company has a successful international network. The broadline distributor supplies semiconductors, passive and electromechanical components as well as boards, storage, displays & wireless products. The company's primary target markets are the automotive, medical, industrial, home appliance, energy and lighting industries.

The ranges RUTRONIK **EMBEDDED**, RUTRONIK **SMART**, RUTRONIK **POWER** and RUTRONIK **AUTOMOTIVE** provide customers with specific products and services in groups tailored to the respective applications. Expert technical support for product development and design-in, individual logistics and supply chain management solutions as well as comprehensive services complete its scope of performance.

Founded in 1973 by Helmut Rudel in Ispringen, Germany, the company employs more than 1,900 people worldwide and achieved sales of around 1.08 billion euros in the 2019 financial year.

The [rutronik24.com](http://rutronik24.com) e-commerce platform gives users access to the online catalog, the Procurement Area and the Product Change Notifications (PCNs) with just a single login. The online catalog provides an overview of all products including detailed data sheets, and intelligent search functions make selection easier. The ‚mass quotation‘ link allows customers to use their parts list for convenient purchasing. In the Procurement Area, customers can obtain a quick overview of their current and past orders, tenders, article lists, safety stock level, contracts, consignment stock and traceability. The current catalogs, procurement information, PCNs and also a wide range of media are available for downloading.

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### Support on the way to innovation

„Rutronik has an extensive portfolio of well-known LED manufacturers. In order to select the optimum product for individual requirements, our highly qualified product managers are on hand - digitally and in persona“, explains Shirley Coblenzer, Senior Manager Product Marketing Opto. „In addition, interested parties can also request product samples in order to test the use of the UV LED at their leisure and in the planned environment“.

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